



LIGHT UP THE WORLD

ANTICIPATE THE FUTURE



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Contents

Training Course of XLED 1037

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Tony
March 15st, 2013



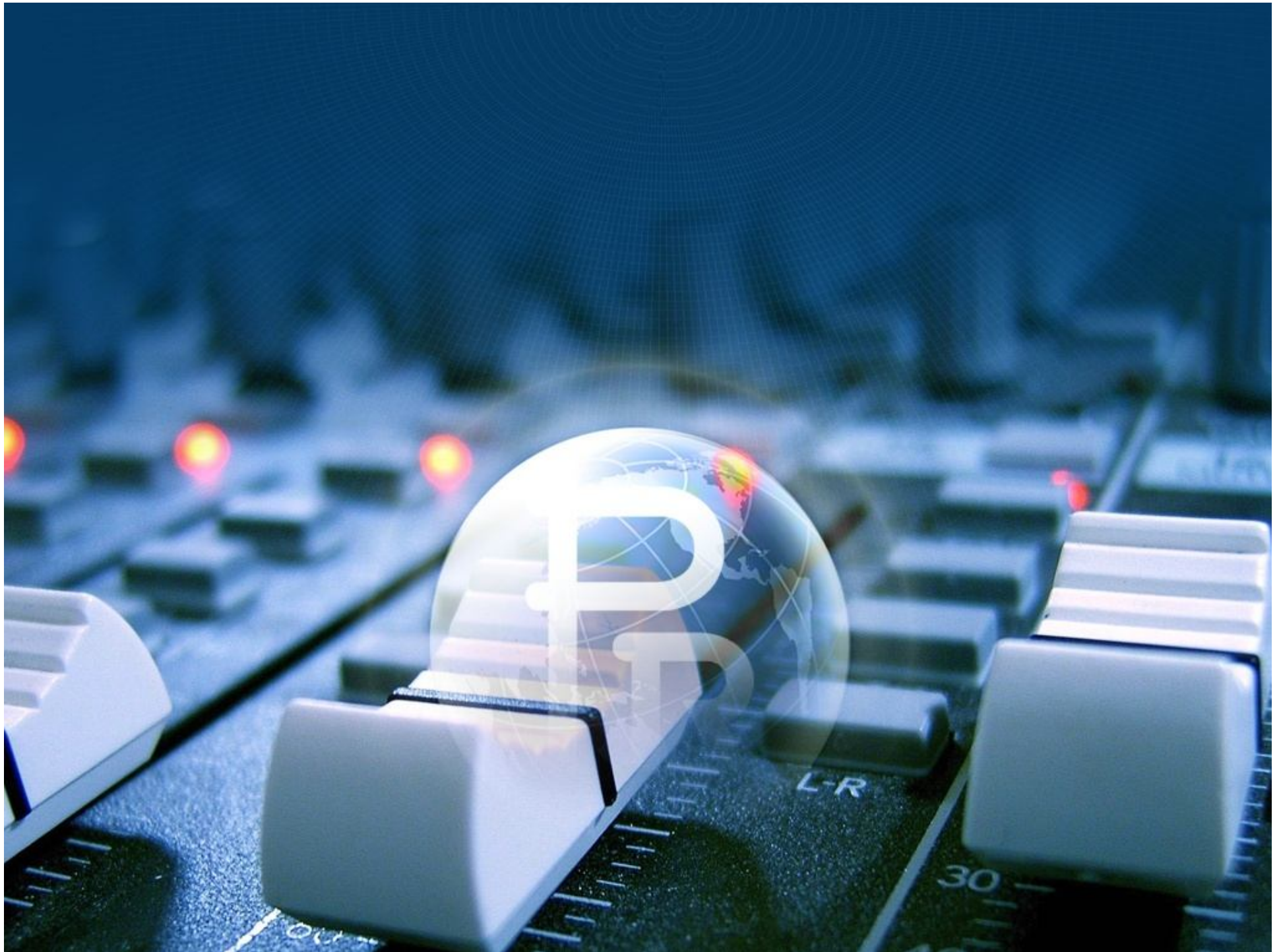
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General introduction



**XLED 1037
(PR-8120)**

- ◆ It was designed for indoor use only(IP20);
- ◆ Super bright, rich colors, wide linear zoom, convenient, wireless DMX;
- ◆ Ideal for TV studio, stage, theatre, concert hall, and any other special location.





Main features

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	XLED 3108 Zoom	XLED 1037	ROBIN 600 LED Wash
Voltages	100-240VAC	100-240VAC	100-240VAC
Light source	4108×3W (20R+24G+24B+24W+12A)	37×10W RGBW multichip LEDs(4 in 1)	37×10W RGBW multichip LEDs(4 in 1)
LED life	50,000hrs	50,000hrs	Min 60,000hrs
Power consumption	350W@220V	450W@220V	415W@230V
Color	Linear CTO from 3200K to10000K	RGBW color mixing	RGBW color mixing(virtual color wheel)+ CTC(white2700K~8000K)
Dimmer	0-100% linearly adjustable	0-100% linearly adjustable	0-100% linearly adjustable
Strobe	Electronic strobe 0 ~25F.P.S	Electronic strobe 0 ~25F.P.S	Electronic strobe 0~20F.P.S Radom pulse strobe effect
Zoom	Motorized	Motorized	Motorized
Beam angle	11.03° ~19.56°	13° ~52°	15° ~50°
Field angle	23.54° ~35.12°	27° ~70°	24° ~63°
Pan and Tilt movement	Pan 540° , Tilt 270°	Pan 540° , Tilt 270°	Pan 450° , Tilt 300°
Control	DMX 512, 3 pin and 5 pin interfaces;	DMX 512, 3 pin and 5 pin interfaces; 16 preset memories and 16 user memories	3 user programs, theatre mode for silent , pan/tilt and zoom moving
Channel	Short11, standard 16, extended 22	Standard 15, extended 24	5 DMX modes (37,21,15,10,37)



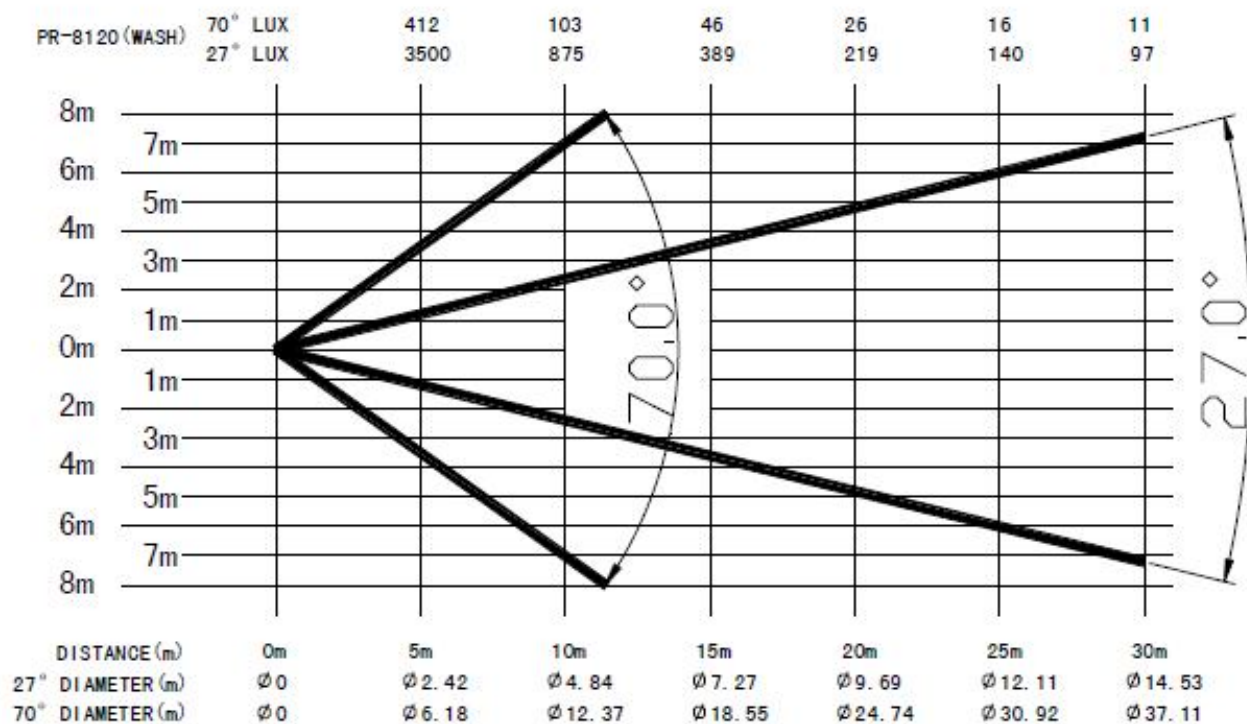
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Main features

	XLED 3108 Zoom	XLED 1037	ROBIN 600 LED Wash
Wireless DMX	No	Yes	Yes
Pan and Tilt speed	—	Pan : 2.5sec, Tilt : 1.3sec	Pan : max 2.1sec, Tilt : max 1.1sec
Noise level	—	55dB	—
Other functions	Handles, , auto speed adjustment of Fans, LCD display	Handles, auto speed adjustment of Fans, LED display	Rainbow effect, graphic touch screen with battery backup
Ambient temperature	-20° C~40° C	-20° C~40° C	Max.45°
Housing temperature	—	—	Max.75°
Weight	12Kg	12.85Kg	10.6Kg
Packaging	441×406×326(Carton, kg)/ 780×440×530(FC,2pcs, 27kg)	450×450×500(Carton, kg)/ 780×440×530(FC,2pcs, 27kg)	—



Light output of XLED 1037



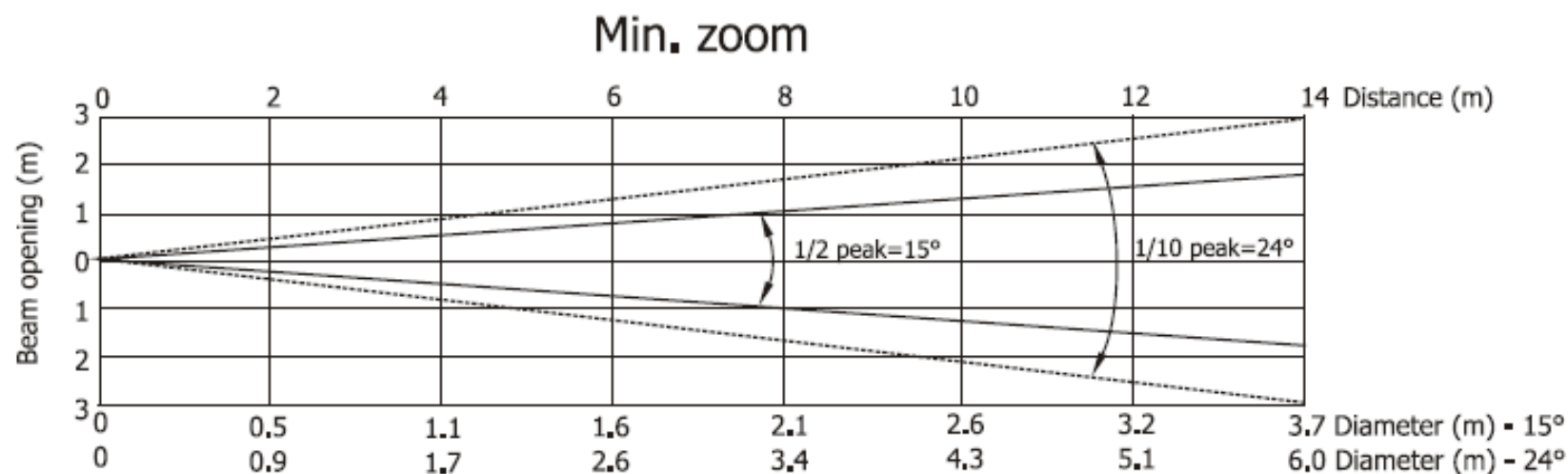
Angle	13° (Ø1/2)	52° (Ø1/2)	27° (Ø1/10)	70° (Ø1/10)
Lumens(lm)	2311	5027	4578	6553
Distance(m)	4.33	0.98	2.05	0.71



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Main features

Photometric Diagrams of ROBIN 600 LED Wash



Distance (m)	2	4	5	6	8	10	12	14	
Red	3831/356	958/89	613/57	426/40	240/22	153/14	106/10	78/7	Intensity (center) Lux/Footcandles
Green	6775/629	21694/157	1084/101	753/70	423/40	271/25	188/18	138/13	
Blue	1288/120	322/30	206/19	143/13	81/8	52/5	36/3	26/2.4	
White	9550/887	2387/222	1528/142	1061/99	597/56	382/36	265/25	195/18	
R+G+B+W	20875/1939	5218/485	3340/310	2319/216	1305/121	835/78	580/54	426/40	

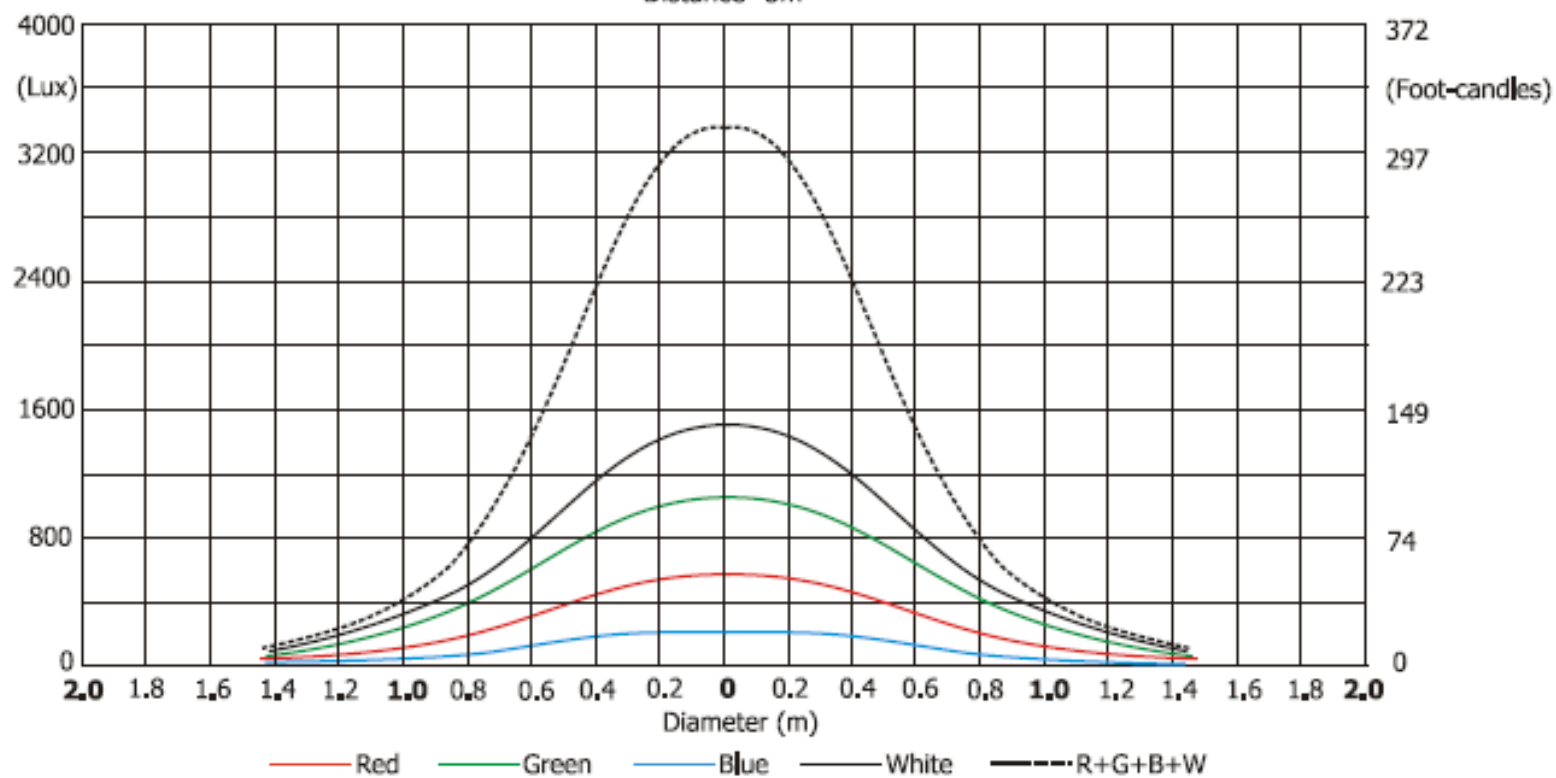


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Main features

Illuminance distribution

Distance=5m

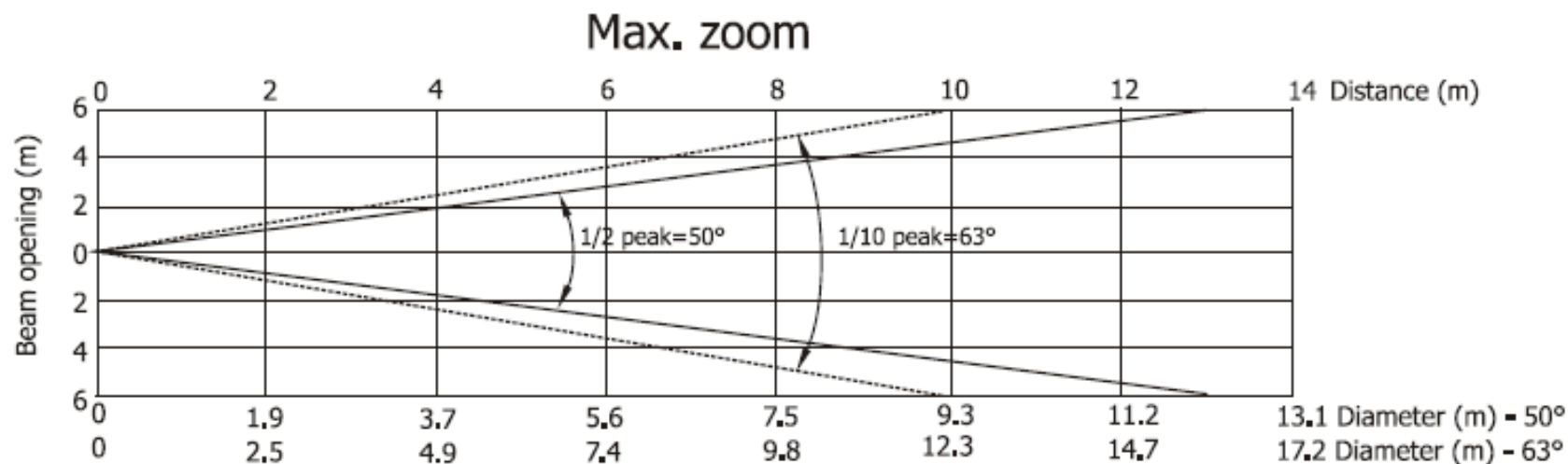


Total output (max.): 4910 lm



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Main features



Distance (m)	2	4	5	6	8	10	12	14	Intensity (center) Lux/Footcandles
Red	544/51	136/13	87/8	60/6	34/3	22/2	15/1.4	11/1	
Green	1031/96	258/24	165/15	115/11	65/6	41/4	29/3	21/2	
Blue	200/19	50/5	32/3	22/2	13/1.2	8/0.7	6/0.5	4/0.4	
White	1338/124	334/31	214/20	149/14	84/8	54/5	37/4	27/2.5	
R+G+B+W	3038/282	759/71	486/45	338/31	190/18	122/11	84/8	62/6	

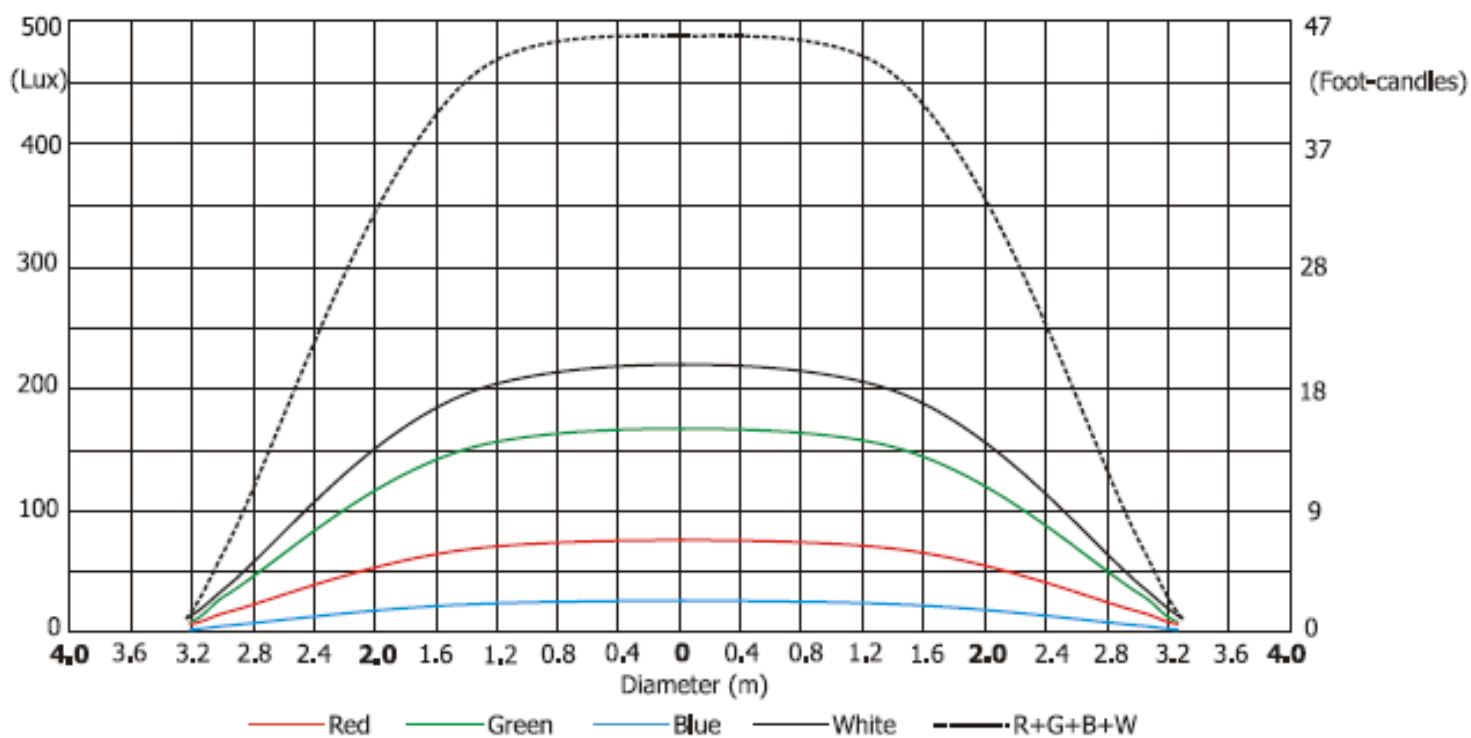


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Main features

Illuminance distribution

Distance=5m



Total output (max.): 8300 lm



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Main features

ROBIN 600 LED Wash







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Structure introduction

1. Base Box

Front view



Rear view

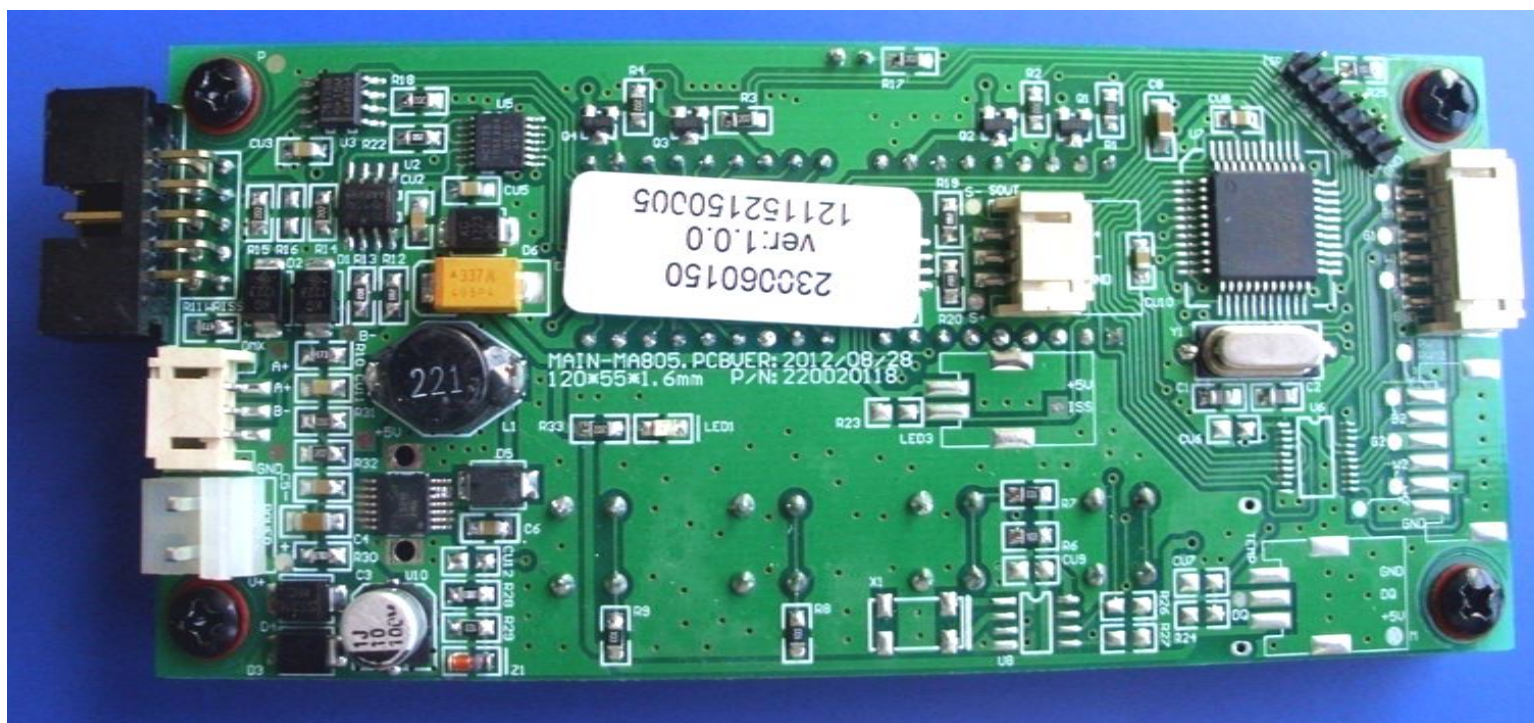




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Structure introduction

2. Main Board(Display Board)





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Structure introduction

3. Power Supply



600W
Power Supply

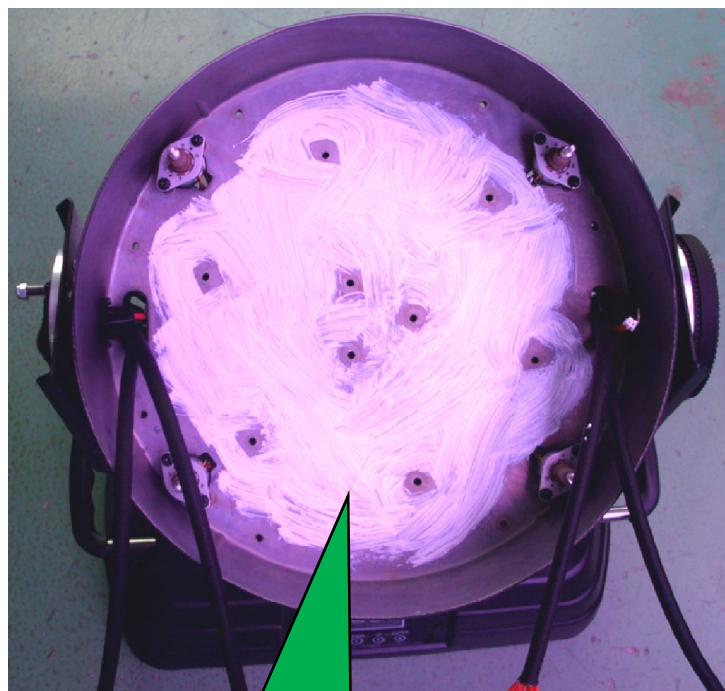
PFC Power Supply



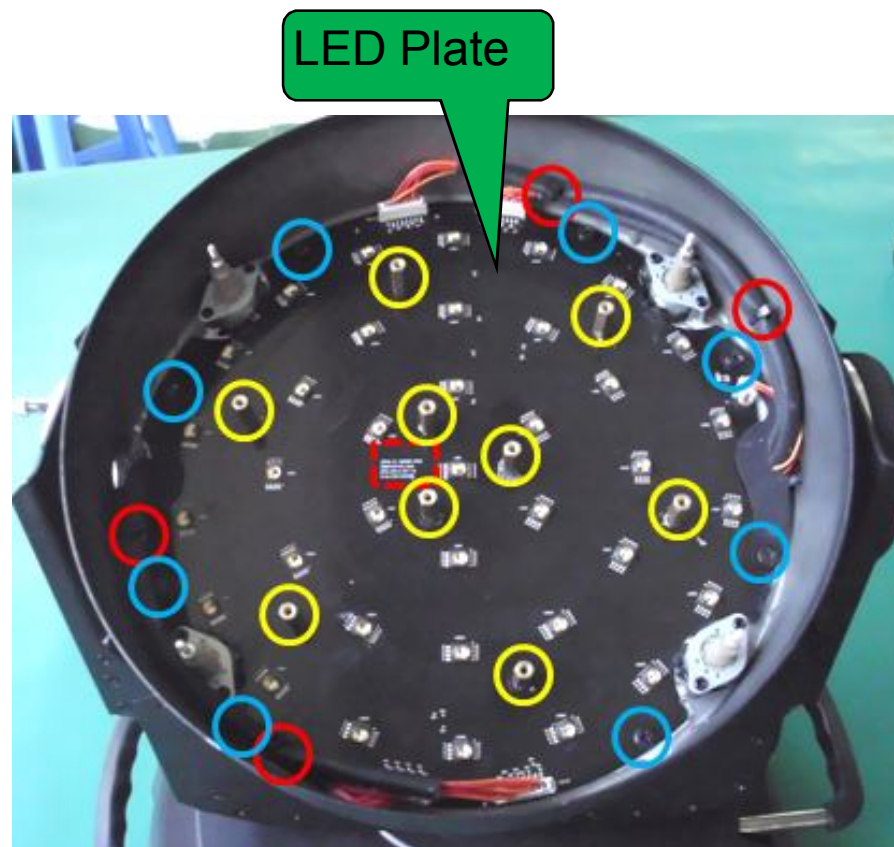
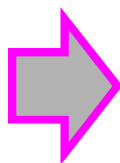
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Structure introduction

4. Fix The LED Plate



Heat Conducting
Silicon Grease



LED Plate

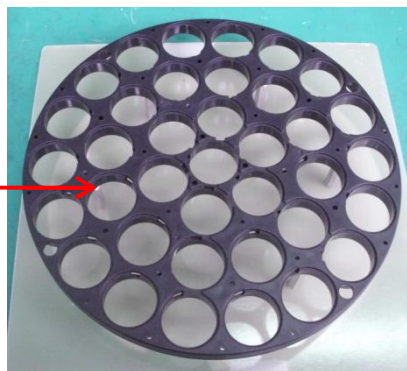


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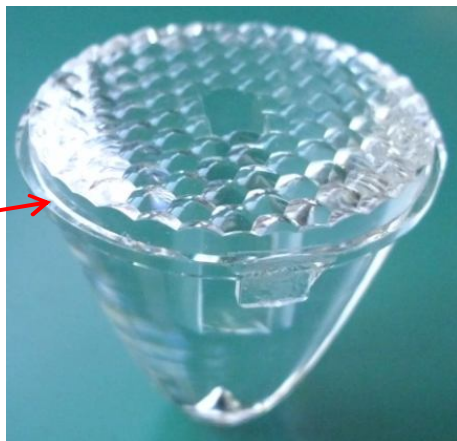
Structure introduction

5. First Lens & Lens Holder

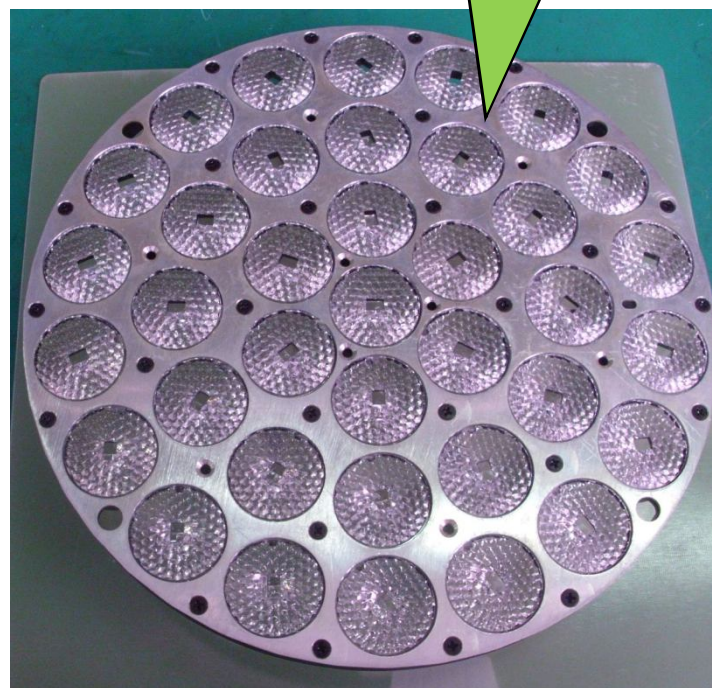
Bottom Plate
of First Lens



First Lens



Coving Plate
of First Lens

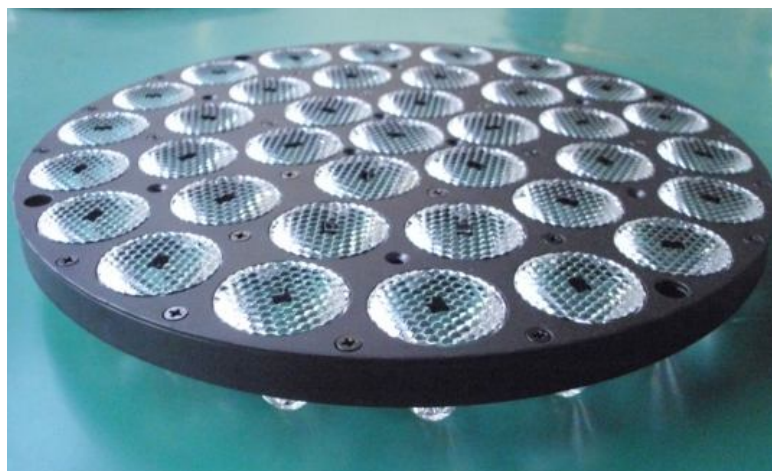




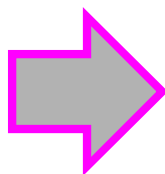
PR LIGHTING LTD.

Structure introduction

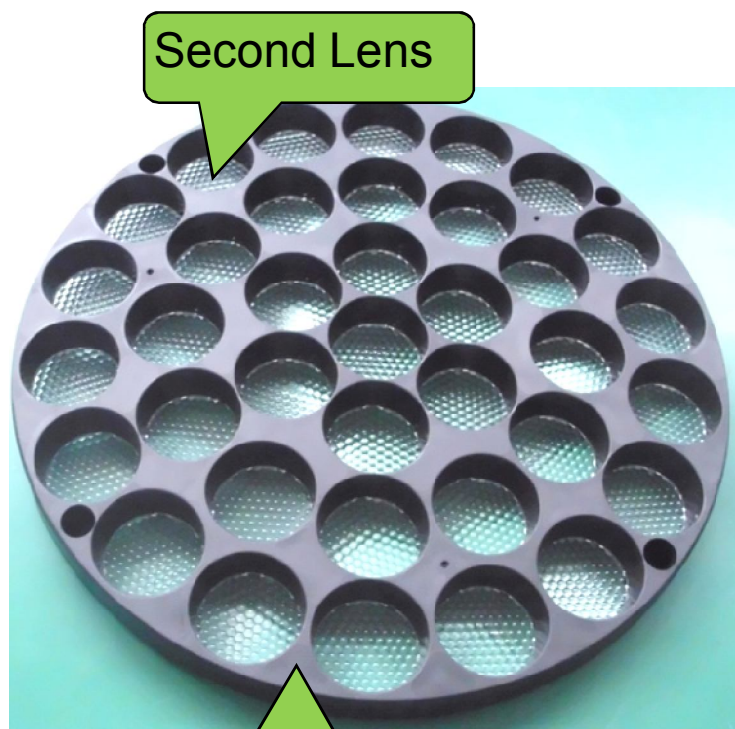
6. Fix the First Lens



First Lens Assembly

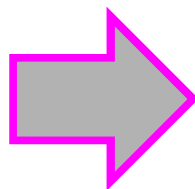


7. Second Lens & Lens Holder



Second Lens

Bottom Plate of First Lens



Coving Plate of Second Lens



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Structure introduction

8. Fix the Second Lens



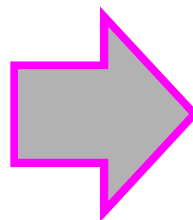


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Structure introduction

9. Fix The Head Casing

Head Casing



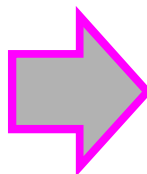


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Structure introduction

10. Fix The Arm Casing

Arm Casing

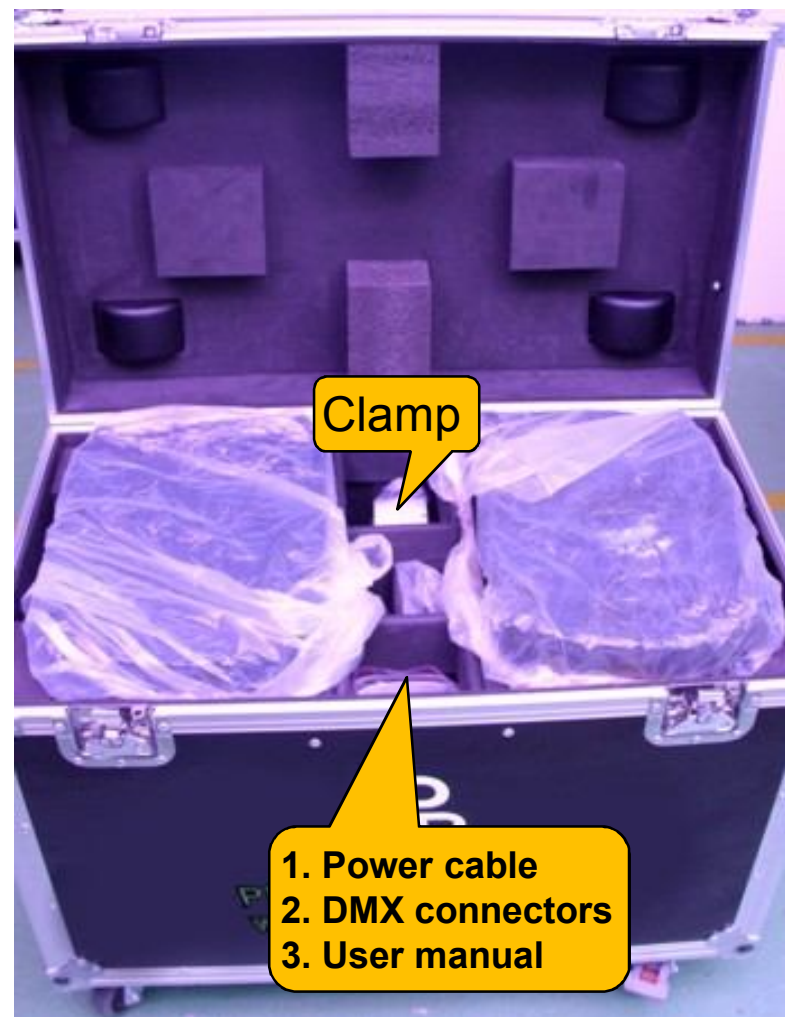


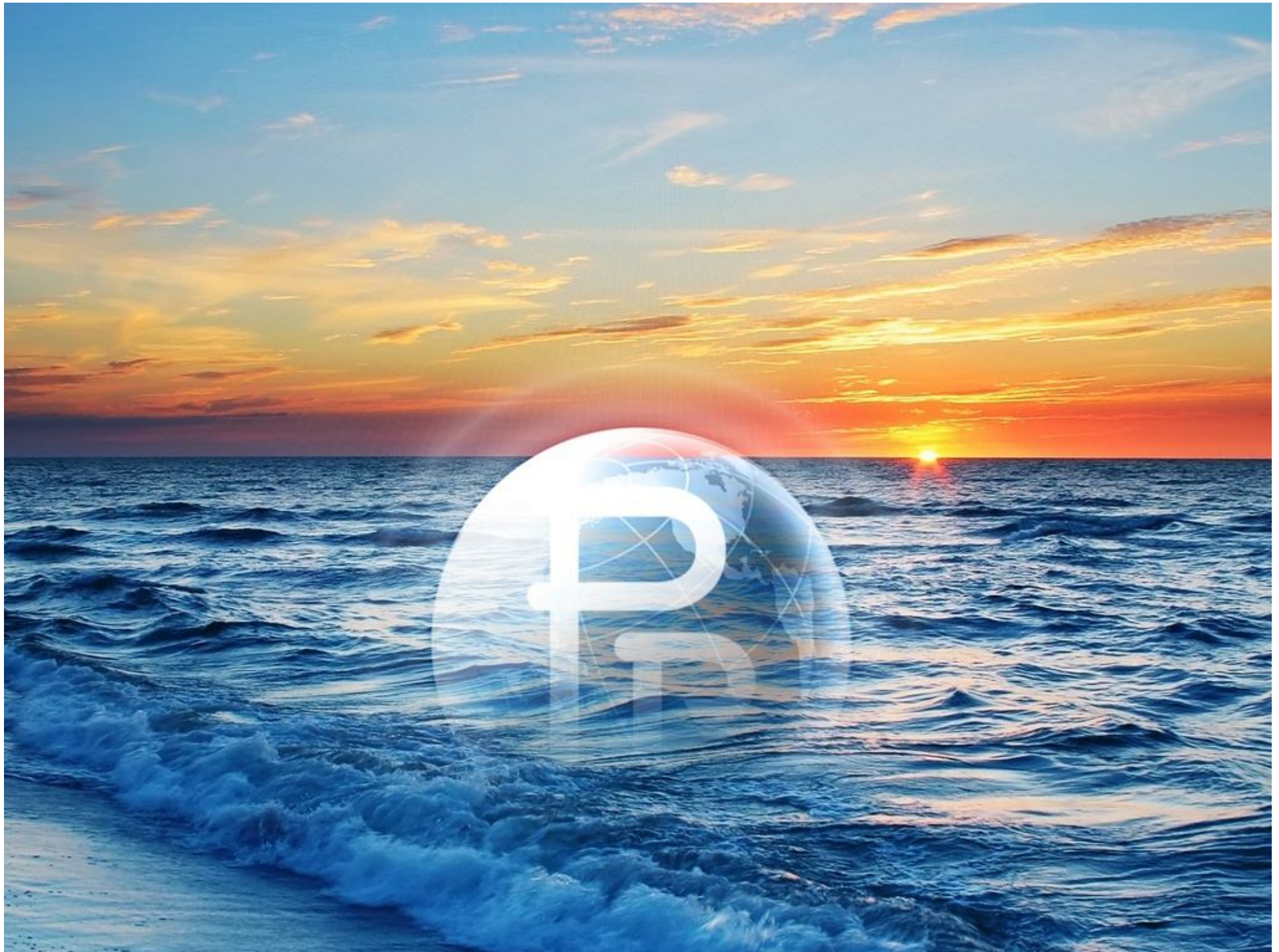


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Structure introduction

11. Packaging(FC)







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Options Menu

1st LEVEL	2nd LEVEL	3rd LEVEL	4th LEVEL
Addr (DMX address)	XXX (XXX:1~512)		
CNFG (Config settings)	dmX (DMX mode, Default: STD)	STD (Standard mode)	
		EXT (Extended mode)	
	dISP (Display settings Default: ON)	ON	
		OFF (Shut off digital CRT without pressing buttons in 5 minutes)	
	xyCH Pan and Tilt Swap (Default: OFF)	OFF	
		ON	
	xyCP Pan and Tilt Invert (Default: OFF)	OFF	
		ON	
	DMXS DMX signal Source Options (default: PRCA)	PRCA Cable Signal First	
		ONCA Cable Signal Only	
		ONWR Wireless Signal Only	
		PRWR Wireless Signal First	
		WTOC Change From Wireless to Cable	
	mORS (Master /Slave Settings, Default: SLV)	SLAV (Slave)	
		mAST Master(1)	
	PAIR Pair disabled	yES	
	FACT (Reset factory setup)	yES	
	TRmd (Transmit parameters)	yES	



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Options Menu

INFO (Information)	Time (Fixture usage time)	XXXX	
	VER (Software Version)	X.X.X	
TEST (Test mode)	LAMP	OFF	
		R (red)	
		G (green)	
		B (blue)	
		W (white)	
		RG (Yellow)	
		GB (Cyan)	
		RB (Purple)	
		RGB (White)	
		RGBW (All On)	
	Zoom	000-255	
	Pan	000-255	
	Tilt	000-255	
	RESE	Yes	



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Options Menu

mENU
(Operation mode)

dmx (DMX mode)		
PRUN (Preset memory)		
ERUN (User memory)		
ET XX (User memory, ET01~ET16)	CH01 Strobe	000-255
	CH02 Red Dimming	000-255
	CH03 Green Dimming	000-255
	CH04 Blue Dimming	000-255
	CH05 White Dimming	000-255
	CH06 Zoom	000-255
	CH07 Pan	000-255
	CH08 Tilt	000-255
	CH09 Pan and Tilt Speed	000-255
	CH10 Static Scene Hold Time	000-255 Time=X*40ms



Note:

- ◆ There is only one Projector to be set as a Master in a signal Cable. If Master's functions used, Please disable DMX control signal.
- ◆ When multiple projectors' work together in synchronous control state, Parameters can be transmitted from the master projector to the slave projectors such as DMX channel mode, Display setting status and operation mode (User memory data is included). Before parameters transmitted, the projector which will send parameters should be set as a Master and others be as Slaves.



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The end

Thank you!

